

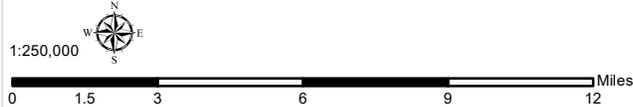
**Total Land Subsidence in the Willcox and Kansas Settlement Areas, Cochise County
Based on Radarsat-2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data**

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Time Period of Analysis: 10.0 Years 05/05/2010 To 04/30/2020

Explanation

| | |
|---------------------------------|---------------------------------|
| 05/05/2010 To 04/30/2020 | Subsidence Feature |
| Total Land Subsidence | Hardrock |
| Decorrelation/No Data | Earth Fissures |
| Greater 40 cm (15.7 in) | Highways and Interstates |
| 25 - 40 cm (9.8 - 15.7 in) | Interstate |
| 15 - 25 cm (5.9 - 9.8 in) | US |
| 10 - 15 cm (3.9 - 5.9 in) | State |
| 6 - 10 cm (2.4 - 3.9 in) | Roads |
| 4 - 6 cm (1.6 - 2.4 in) | Railway |
| 2 - 4 cm (0.8 - 1.6 in) | |
| 1 - 2 cm (0.4 - 0.8 in) | |
| 0 - 1 cm (0 - 0.4 in) | |



Decorrelation (white areas) are areas where the phase of the received satellite signal changed between satellite passes, causing the data to be unusable. This occurs in areas where the land surface has been disturbed (i.e. bodies of water, snow, agriculture areas, areas of development, etc).

Earth fissures were mapped by the Arizona Geological Survey. For information on earth fissures visit: www.azgs.gov/EFC

Coordinate System: NAD 1983 UTM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter
Created: 5/12/2020

